

## SECTION 4

*In response to Office action, and in order to remain consistent with the considerations presented in section 1, the following shall henceforth be considered for the Abstract set forth on page 90 of the original application filed 08/04/2003:*

### **ABSTRACT**

A method and a system for evaluating at least one of a risk, safety and efficiency property of a portfolio belonging to a class of one of a probability density and a probability distribution, for a given time frame are provided. The method comprises: obtaining portfolio pricing data over said given time frame; obtaining at least one benchmark  $X_b$ ; with respect to investment returns, fitting one of a stochastic investment class over said given time frame in relation to said benchmark  $X_b$  by obtaining a location parameter  $a$ , a scale parameter  $b$  and other corresponding shape parameters; and an empirical investment class over said given time frame in relation to said benchmark  $X_b$ ; determining a mean return value  $X_m$  and a standard deviation  $\sigma_x$  using said class; graphically illustrating said portfolio in relation to said benchmark  $X_b$  using said return value  $X_m$  and said standard deviation  $\sigma_x$  on an investment chart; determining for said portfolio by using properties of said class a solution to  $(X_m - X_b) = [(E_S - X_b) \cdot \alpha] + [(E_P - X_b) \cdot \gamma] = I'_S + I'_P$ ; graphically illustrating at least one said component of said expression  $(X_m - X_b)$ , in the form of a topographical map on said investment chart using said benchmark  $X_b$ .